

PATENT
Confirmation No. 4778

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William R. Dunn, et al. Examiner: Tarifur R. Chowdhury
Serial No. 10/679,977 Group Art Unit: 2871
Filed: October 7, 2003 Docket No. 73538.020500
Title: FLAT PANEL DISPLAY HAVING ISOLATED EMI LAYER AND INTEGRAL HEATER
AND THERMAL SENSORS
Customer No.: 33717

SUPPLEMENTAL AMENDMENT

Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

Sir:

Kindly enter the following amendments:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

AMENDMENTS TO THE CLAIMS

Claim 1 (Canceled)

Claim 2 (Previously presented): The flat panel display of claim 16, further comprising:
an insulating dielectric layer interposed between the inside surfaces of said front and glass plates.

Claim 3 (Canceled)

Claim 4 (Previously presented): The flat panel display of claim 16, wherein said metal heater layer is patterned onto said TFT array layer.

Claim 5 (Previously presented): The flat panel display of claim 16, wherein said metal heater layer is behind said black mask EMI layer.

Claim 6 (Canceled)

Claim 7 (Previously presented): The flat panel display of claim 16, wherein said metal heater layer comprises a grid of intersecting horizontal and vertical lines.

Claim 8 (Previously presented): The flat panel display of claim 16, further comprising an insulating dielectric over-coated onto said metal heater layer.

Claim 9 (Previously presented): The flat panel display of claim 16, further comprising:
at least one thermal sensor integral to said TFT array layer.

Claim 10 (Previously presented): The flat panel display of claim 9, wherein each said thermal sensor comprises of an array of diodes.

Claim 11 (Canceled)

Claim 12 (Previously presented): A flat panel display comprising:

- a front plate;
- a rear plate;
- a layer of liquid crystals interposed between said front and rear glass plates;
- a TFT array layer interposed between said front and rear glass plates; and
- a metal heater layer integral to said TFT array layer.

Claim 13 (Original): A flat panel display according to claim 12, wherein said metal heater layer is patterned onto said TFT array layer.

Claim 14 (Original): A flat panel display according to claim 12, where said metal heater layer is comprised of a grid of intersecting horizontal and vertical lines.

Claim 15 (Canceled)

Claim 16 (Original): A flat panel display according to claim 12, further comprising:

 a black mask EMI layer interposed between said front and rear glass plates and wherein said black mask EMI layer is electrically tied to zero potential and isolated from Vcom.

Claim 17 (Canceled)

Claim 18 (Previously presented): The flat panel display of claim 12, further comprising:

 at least one thermal sensor integral to said TFT array layer.

Claim 19 (original): The flat panel display of claim 18, wherein said at least one thermal sensor is applied onto said TFT array layer.

Claim 20 (original): The flat panel display of claim 18, wherein each said at least one thermal sensor comprises an array of diodes.

Claim 21 (Canceled)

REMARKS

This Amendment only cancels claims 6 and 17 as conflicting with allowable claims in a copending application by the same inventors, USSN 10/769,843.

Respectfully submitted,


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